

Claim 6, line 2, after "values" but before "a" please insert --of--.

Please add the following claims:

A1
~~--11. The method of claim 1, wherein said method utilizes a Monte Carlo algorithm.~~

12. The method of claim 1, wherein said ORF is selected from the group consisting of acetone, aldehyde, amide, ammonia, benzene, carboxylic acid, 1,4-diazine, ester, ether, formaldehyde, furan, imidazole, methane, methanol, phospho-acid, pyridine, pyrimidine, pyrrole, thiol, and thiophene.

13. The method of claim 3, further comprising identifying sites in the vicinity of said clusters which weakly bind ORFs, thereby identifying clusters of binding sites.

14. The method of claim 6, wherein said measure of chemical potential is the parameter B.--

Remarks

Reconsideration of this Application is respectfully requested.

Upon entry of the foregoing amendment, claims 1-14 are pending in the application, with claim 1 being the independent claim. Claims 9 and 10 have been canceled and withdrawn from consideration as they are directed to a non-elected invention. New claims 11-14, directed to the same invention as Claims 1-8, are sought to be added. These changes are believed to introduce no new matter, and their entry is respectfully requested. Claim 6 has been amended to correct